

*Sub A 17*

What is claimed is:

1. A system for generating notification messages, comprising:
  - 2 a plurality of applications, each application generating event messages;
  - 3 an event router in communication with the applications, wherein the router
  - 4 receives the event messages;
  - 5 an alert manager in communication with the router for receiving a selected
  - 6 subset of the event messages; and;
  - 7 a plurality of rules within the alert manager, each rule having an
  - 8 associated notification, and each rule registered to act upon selected events
  - 9 within the selected subset of event messages;
  - 10 wherein, upon receiving a message at the alert manager, all rules
  - 11 registered to act upon the message are evaluated, and for all rules that evaluate
  - 12 to True, sending the associated notifications.

1    2.    The system of Claim 1, wherein at least one of the plurality of applications  
2    comprises:

3            a database having data which can be changed; and

4            a job that periodically examines the database, and generates an event  
5    message when selected data items in the database have changed from a  
6    previous examination.

1    3.    A system for generating notifications, comprising:

2        a plurality of applications that generate event messages;

3        a router in communication with the applications;

4        a plurality of event handlers in communication with the router; and

5        a set of rules attached to the router, each rule associated with at least one  
6        event message;

7            wherein, when an event message is received, the associated rules are  
8        evaluated, and for rules that evaluate to True, the event message is forwarded to  
9        a related event handler.

1    4.    The system of Claim 3, wherein at least one of the plurality of applications  
2        comprises:

3        a database having data which can be changed; and

4        a job that periodically examines the database, and generates an event  
5        message when selected data items in the database have changed from a  
6        previous examination.

1    5.    A method for generating notifications, comprising the steps of:  
2                 generating a event message within an application;  
3                 sending the event message to a router;  
4                 within the router, registering recipient handlers to be notified upon receipt  
5                 of selected event messages;

6                 within the handlers, providing a set of rules to be evaluated, with each rule  
7                 having a corresponding action to be executed if the rule evaluates True; and  
8                 when an event message is received by a handler, evaluating a subset of  
9                 rules, and executing any actions for rules that evaluate True.

1    6.    The method of Claim 5, wherein an action to a rule comprises sending a  
2                 message to a user.

1    7.    The method of Claim 5, wherein the application comprises:  
2                 a database having data which can be changed; and  
3                 a job that periodically examines the database, and generates an event  
4                 message when selected data items in the database have changed from a  
5                 previous examination.

*allow*